

Title (en)
USER EQUIPMENT, BASE STATION AND CORRESPONDING COMPUTER READABLE HARDWARE DEVICES FOR MTC COEXISTENCE

Title (de)
BENUTZERENDGERÄT, BASISSTATION UND COMPUTERLESBARE GERÄTE FÜR MTC-KOEXISTENZ

Title (fr)
ÉQUIPEMENT UTILISATEUR, STATION DE BASE ET MATÉRIELS LISIBLE PAR ORDINATEUR

Publication
EP 3416437 B1 20211222 (EN)

Application
EP 18186220 A 20150619

Priority

- US 201462031054 P 20140730
- US 201514667430 A 20150324
- EP 15827164 A 20150619
- US 2015036706 W 20150619

Abstract (en)
[origin: US2016037514A1] Embodiments of a machine-type communication (MTC) User Equipment (UE) and methods for configuring a MTC UE using an evolved Node B (eNB) are generally described herein. A method for configuring a UE for communication performed by circuitry of an evolved Node B (eNB) may include broadcasting, from the eNB, a physical downlink control channel (PDCCH) transmission on a licensed band, transmitting, from the eNB to the UE, a physical broadcast channel (PBCH) transmission multiplexed with a machine-type communication (MTC) PBCH (M-PBCH) transmission, the M-PBCH transmission including a MTC master information block (M-MIB) in a MTC region of the licensed band, wherein the MTC region includes a subset of frequencies of the licensed band, and transmitting, from the eNB to the UE, a first data transmission on the MTC region in a downlink.

IPC 8 full level
H04W 56/00 (2009.01); **H04W 4/70** (2018.01); **H04W 48/12** (2009.01); **H04W 72/04** (2009.01)

CPC (source: EP KR US)
H04W 4/70 (2018.01 - EP KR US); **H04W 48/12** (2013.01 - KR); **H04W 56/0015** (2013.01 - EP KR US); **H04W 72/0453** (2013.01 - KR); **H04W 88/08** (2013.01 - KR); **H04W 48/12** (2013.01 - EP US); **H04W 72/0453** (2013.01 - EP US)

Designated contracting state (EPC)
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

DOCDB simple family (publication)
US 2016037514 A1 20160204; US 9820247 B2 20171114; BR 112016030272 A2 20170822; BR 112016030272 B1 20231017; CN 106717090 A 20170524; CN 106717090 B 20200710; CN 108366358 A 20180803; CN 108366358 B 20210625; EP 3175667 A1 20170607; EP 3175667 A4 20180321; EP 3175667 B1 20200513; EP 3416437 A1 20181219; EP 3416437 B1 20211222; HK 1258268 A1 20191108; JP 2017519435 A 20170713; JP 6455739 B2 20190123; KR 102042578 B1 20191111; KR 102218372 B1 20210222; KR 20170013316 A 20170206; KR 20180041769 A 20180424; PL 3416437 T3 20220328; US 10390320 B2 20190820; US 2018124728 A1 20180503; WO 2016018526 A1 20160204

DOCDB simple family (application)
US 201514667430 A 20150324; BR 112016030272 A 20150619; CN 201580036097 A 20150619; CN 201810229821 A 20150619; EP 15827164 A 20150619; EP 18186220 A 20150619; HK 19100632 A 20190115; JP 2016569814 A 20150619; KR 20167036293 A 20150619; KR 20187010525 A 20150619; PL 18186220 T 20150619; US 2015036706 W 20150619; US 201715810846 A 20171113